

Customer No.: 31561
Application No.: 10/710,401
Docket No.: 11571-US-PA

REMARKS

Present Status of Application

The Office Action dated May 04, 2005, objected claims 1 and 6 for informalities. Claims 1, 6 and 7 were rejected under 35 U.S.C. 112, second paragraph, as being indefinite. Claims 1-11 were rejected under 35 U.S.C. §102(b) as being anticipated by Harada et al. (US Patent No. 6,417,575).

Claims 1, 6 and 7 have been amended. No new matter has been added to the application by the amendments made to the specification, claims and drawings. This Amendment is promptly filed to place the above-captioned case in condition for allowance. After entering the amendments, a notice of allowance is respectfully solicited.

Discussion for the objections

Claims 1 and 6 were objected for informalities.

Applicant would like to thank the Examiner for pointing out these informalities. As suggested by the Office Action, Applicant has amended claims 1 and 6 by changing the term "cross-section" into the term "top-view".

Withdrawal of these objections is respectfully requested.

Customer No.: 31561
Application No.: 10/710,401
Docket NO.: 11571-US-PA

Discussion for the 35 USC§112 rejections

Claims 1, 6 and 7 were rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The Office Action pointed out that claims 1, 6 and 7 were rendered indefinite because of the terms "near" and "substantially" respectively.

While Applicant believes that these terms are clearly defined in the specification, claim 7 has been amended to delete the term "substantially" and claims 1 and 6 have been amended to substitute the term "near" with the term "adjacent".

Withdrawal of these 112 rejections is respectfully requested.

Discussion for 35 USC§102 rejections

Claims 1-11 were rejected under 35 U.S.C. §102(b) as being anticipated by Harada et al. (US Patent No. 6,417,575).

The Applicant has carefully considered the remarks set forth in the Office Action.

In response to the Office Action's statement that the definition of "arc" includes a continuous portion of a curved line, claims 1 and 6 have been amended to clearly point out that the arc is a segment of a circle or an ellipse. Supportive grounds can evidently be found in figures 2 and 3 and the related descriptions in the specification.

Applicants submit that amended independent claims 1 and 6 patentably defines over

Customer No.: 31561
Application No.: 10/710,401
Docket NO.: 11571-US-PA

the prior references for at least the reason that the cited art fails to disclose each and every feature as claimed in the present invention.

As amended, independent claims 1 and 6 respectively recite:

Claim 1. A chip structure, at least comprising:

a chip, having at least a bonding pad and a transmission line on a chip surface, wherein the transmission line is coupled to the bonding pad; and

a passivation layer, covering the chip surface, wherein the passivation has an opening to expose the bonding pad, wherein a top-view profile of the opening is composed of a straight line and an arc connecting to two ends of the straight line and the arc is a segment of a circle or an ellipse, and the straight line is adjacent to a connection terminal between the transmission line and the bonding pad..

6. A chip structure, at least comprising:

a chip, having at least a bonding pad and a transmission line coupled to the bonding pad, wherein the bonding pad and the transmission line are on a chip surface; and

a passivation layer, covering the chip surface, wherein the passivation has an opening to expose the bonding pad, wherein a top-view profile of the opening includes a curving line and an arc connecting to two ends of the curving line and the arc is a segment of a circle or an ellipse, wherein the curving line is concave to the arc and adjacent to a connection terminal between the transmission line and the bonding pad.

The Office Action considered the opening 104 in Harada's Fig. 9 and Fig. 50 comparable to the opening of this invention. The Office Action further interpreted the arc as a continuous portion of a curved line and considered the other portion except "A" or "B" as an arc.

Accordingly, the independent claims 1 and 6 have been amended to recite at least "the arc is a segment of a circle or an ellipse" and clearly distinguish the present invention over the cited reference Harada.

Dependent claims 2-5 and 7-11 are submitted to be patentably distinguishable

Customer No.: 31561
Application No.: 10/710,401
Docket NO.: 11571-US-PA

over the cited references for at least the same reasons as independent claim 1 or 6, from which these claims respectively depend, as well as for the additional features that these claims recite.

In view of the above amendment and discussions, reconsideration and withdrawal of these rejections under 35 USC 102(b) are respectfully requested.

- 7 -

Customer No.: 31561
Application No.: 10/710,401
Docket NO.: 11571-US-PA

CONCLUSION

In view of the foregoing, it is believed that all pending claims are in proper condition for allowance. If the Examiner believes that a telephone conference would expedite the examination of the above-identified patent application, the Examiner is invited to call the undersigned.

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Respectfully submitted,

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- 8 -